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TITLE : SUPPORT FOR LITHOGRAPHIC PRINTING PLATE, PHOTOSENSITIVE
LITHOGRAPHIC PRINTING PLATE AND MANUFACTURE OF SUPPORT FOR
LITHOGRAPHIC PRINTING PLATE

ABSTRACT : PROBLEM TO BE SOLVED: To enhance adhesion the a photosensitive layer and to
improve printing resistance and to reduce the occurrence of sludge in development and to
eliminate residual films and dyes in development.

SOLUTION: This support to be used for the lithographic printing plate is obtained by
roughening an aluminum plate on the surface and treating it by an anodic oxidation
process and further treating the surface with an aqueous solution of a metal silicate and
an aqueous solution of a zirconium potassium fluoride so as to control it to an amount of
10-100 mg Si in terms of SiO₂, 0.01-15 mg F, and 5-50 mg Zr each per 1 m²
of the surface of the support.

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